

SAFETY DATA SHEET – U.S. DEPARTMENT OF LABOR

May be used to comply with Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200, Standard must be consulted for specific requirements (non-mandatory form) Form Approved OMB No. 1218-0072

Date Prepared: 02 19 2019

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Section 1: Identification of the Substance/Preparation and of the Company/Undertaking

1.1 Product Identifier

Trade Name: SoilBiotics Seed Start 200 (for conventional and organic use)

Synonyms: Humic Acid, Potassium Salt

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against It

Recommended Uses: Seed Treatment

1.3 Details of the Distributor of the Safety Data Sheet

Distributed By: SoilBiotics, 2902 W State Route 17, Kankakee, IL 60901 United States 815-929-1752

1.4 In Case of Emergency: USA, Canada, Mexico call Infotrac at 1-800-535-5053

Section 2: Hazards Identification

2.1 This product is not considered to be hazardous to animals, plants, humans or the environment. The microbes have not been genetically modified. This product has very low oral, dermal, and inhalation toxicity.

2.2 Possible Routes of Entry: Ingestion, eyes and skin

2.3 Potential Health Effects from Over-Exposure:



**MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE MILD EYE IRRITATION**

WARNING

Skin/Eye Irritation: Direct contact with skin or eyes may cause mild irritation

Inhalation: Not Applicable

Ingestion: May cause nausea and diarrhea

Symptoms: Available data does not suggest any long term symptoms from exposure

Aggravation: Available data does not suggest any aggravation of existing conditions

Notes: In the unlikely event that over-exposure occurs, follow first aid measures in section 4.

Section 3: Composition/Information on Ingredients

3.2 Mixtures

| Substance | CAS No | EC No | REACH Reg No | Concentration | Notes | DSD- Classification | CLP - Classification | |
|-------------|--------|-------|--------------|---------------|-------|---------------------|----------------------|--|
| Proprietary | | | | | | | | |

Please see Section 16 for the full text of R-Phrases and H-Phrases

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Remove from source of exposure. If irritation or other signs continue, then seek medical attention.

Eyes: Remove contact lenses if present and flush with water for 15 minutes.

Skin: Remove contaminated clothing. Wash thoroughly with soap and rinse with water.

Ingestion: Do not induce vomiting. Give water if able to swallow.

Note to Physician and First Aid Providers: This product has low oral, dermal and inhalation toxicity. Direct contact with eyes may cause temporary irritation. Provide symptomatic and supportive care as necessary.

Section 5: Fire-Fighting Measures

5.1 General: Use methods and protective gear that are appropriate for the conditions and size of fire.

5.2 Extinguishing Media: Use appropriate media for underlying cause and combustibles involved in the fire.

5.2 special Equipment: Self-contained breathing apparatus and full protective gear according to the conditions and size of the fire.

Notes: This material is not explosive and does not constitute a fire hazard

Section 6: Accidental Release Measures

6.1 Personal Precautions: Wear suitable protective clothing such as long-sleeve shirt, pants, water proof gloves and shoes with socks.

6.2 Methods for Clean Up: Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.

6.3 Reference to Other Sections: See section 8 for type of protective equipment. See section 13 for instructions on disposal.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling: Use handling procedures that minimize exposure to the product.

7.2 Storage: Store in a cool location in original container. Recommended that product not be subject to freezing or stored in direct sunlight. Bulk material to be stored in an area with secondary equipment.

Notes: Avoid contact with skin, eyes and clothing. Wash any contamination from skin or eyes immediately. Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters: Protective clothing should be selected according to the conditions likely to be encountered in the workplace. Ensure good ventilation. No exposure limits have been established.

8.2 Engineering Controls: There are no specific engineering controls for this product.

8.3 Personal Protective Equipment:

Respiratory Protection: If liquid is sprayed, used an approved droplet mask.

Eye/Face Protection: Chemical safety goggles or safety glasses with side shields.

Hand/Skin Protection: Impermeable gloves of neoprene, vinyl, rubber or nitrile may be used to avoid contact.

Other Clothing: Wear suitable protective clothing such as long-sleeve shirt, pants and shoes with socks.

Hygienic Practices: Wash hands and exposed skin before eating, drinking, smoking or using the toilet.

Section 9: Physical and Chemical Properties

9.1 Physical State/Appearance/Odor: Liquid, dark brown to black color with mild earthy odor.

9.2 Information on Basic Physical and Chemical Properties:

| Parameter | Value/Unit | Remark |
|-----------------------|--------------|--------|
| pH (solution for use) | 8.0 to 9.47 | |
| Initial Boiling Point | 104C/215F | |
| Freezing Point | -2C/28F | |
| Evaporation Rate | 0.4 | Water |
| Solubility in Water | 100% Soluble | |

Section 10: Stability and Reactivity

- 10.1 **Reactivity:** Not Reactive
- 10.2 **Chemical Stability:** Stable
- 10.3 **Possibility of Hazardous Reactions:** None Known
- 10.4 **Conditions to Avoid:** None Known
- 10.5 **Incompatible Materials:** Strong Oxidizers
- 10.6 **Hazardous Decomposition Products:** None known
- 10.7 **Hazardous Polymerization:** Will Not Occur

Section 11: Toxicological Information

- 11.1 **Information on Toxicological Effects:** Acute Toxicity – Oral
- Skin Corrosion/Irritation:** May cause slight irritation

Section 12: Ecological Information

- 12.1 **Persistence and Degradability:** Potentially degradable.
- 12.2 **Bioaccumulative Potential:** No bioaccumulation expected
- 12.3 **Mobility:** Solubility in water : Completely miscible
- 12.4 **Results of PBT and vPvB Assessment:** This product does not contain any PBT or vPvB substances.
- 12.5 **Other Adverse Effects:** None known

Section 13: Disposal Considerations

- 13.1 **Waste Treatments Methods:** This product is not to be considered Hazardous Waste. Dispose of in accordance with Local Authority requirements.

Section 14: Transport Information

- 14.1 **UN-No:** Not applicable
- 14.2 **UN Proper Shipping Name:** Class 50
- 14.3 **Transport Hazard Class(es):** Not applicable
- 14.4 **Packaging Group:** Not applicable
- 14.5 **Environmental Hazards:** Not applicable
- 14.6 **Special Precautions for User:** None
- 14.7 **Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code:** Not applicable
- Other Information: Harmonized Tariff Code for US:** 3804.00.1000-0

Section 15: Regulatory Information

- 15.1 **Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

Special Provisions: ADR/RID (2007) ECHA FAQ 7.7. GHS/CLP (EC NO1272/2008) GHS USA June, 2015.

Authorizations / Limitations: Global Inventory Status

15.2 Chemical Safety Assessment: This product does not have to be classified.

Section 16: Other Information

16.1 HMIS Rating (0-4): Health=1 Fire=0 Reactivity=0 Special=0

Prepared by: SoilBiotics

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